

**Notice of Allowability**

Application No.

09/800,764

Examiner

JAMES C. KERVEROS

Applicant(s)

KORHONEN, AKI

Art Unit

2138

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 7/11/2006.
2. ☒ The allowed claim(s) is/are 1-11, 15-22 and 24. Renumbered Claims 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 4/5/2006.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

JAMES C KERVEROS  
Examiner  
Art Unit 2138

### **NOTICE OF ALLOWANCE**

This is a Notice of Allowance in response to Amendment filed 7/11/2006, in reply to the non-Final Office Action mailed on 4/5/2006.

Claims 12-14 and 23 have been cancelled.

Claims 1-11, 15-22 and 24 were rejected in the prior Office Action.

### ***Allowable Subject Matter***

Claims 1-11, 15-22 and 24 are allowed. Renumbered as Claims 1-20.

### ***Drawings***

New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because of lack of formal drawings due to hand written legends. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

In order to avoid abandonment, the drawing informalities noted in the paper mailed on 4/5/2006, must now be corrected. Correction can only be effected in the manner set forth in the above noted paper.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

The prior arts of record taken alone or in combination fail to teach, anticipate, suggest or render obvious a method for detecting a defect in a computing system having a system memory, including among other limitations, loading a test program code into an area of the system memory to be tested, the test program code having a plurality of instructions configured to detect one or more defects in the system memory, as recited in the independent claim 1.

Independent Claim 15 recites an apparatus for detecting a defect in a computing system having a system memory, including among other limitations, means for detecting a first and a second defect related to a first and a second corrupted portion of the fetched instruction, respectively, where the first corrupt portion represents data, and the second corrupt portion represents code.

Independent Claim 20 recites a computer software product for detecting a defect in a computing system having a system memory, including among other limitations, a sequence of instructions, which, when executed by the CPU, causes the CPU to indicate the presence of the defect related to a code portion of a fetched instruction of the test program code, and a sequence of instructions, which, when executed by the CPU, causes the CPU to indicate the presence of the defect related to a data portion of the fetched instruction of the test program code.

Independent Claim 22 recites a computer-readable medium, including among other limitations, loading a test program code into an area of a system memory, the test

program code having a plurality of instructions configured to detect one or more defects in the system memory.

Independent Claim 24 recites a method for detecting a defect in a computing system having a system memory, including among other limitations, loading a test program code into an area of the system memory to be tested, the test program code having a plurality of instructions configured to detect one or more defects in the system memory.

Consequently, claims 1-11, 15-22 and 24 are allowed over the prior arts.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. KERVEROS whose telephone number is (571) 272-3824. The examiner can normally be reached on 9:00 AM TO 5:00 PM.

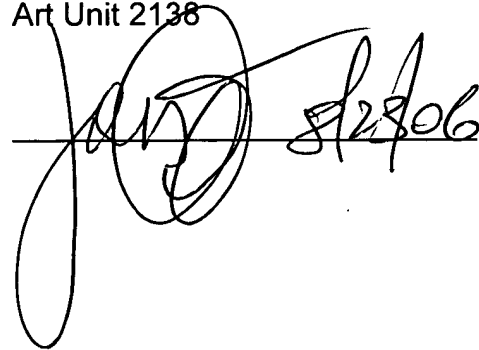
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Date: 23 August 2006  
Office Action: Allowance

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A handwritten signature in black ink, appearing to read 'JC Kerveros', is written over a horizontal line. To the right of the signature, the date '8/28/06' is handwritten.